

10/527 474

DT15 Rec'd PCT/PTO 11 MAR 2005

Express Mail Label No. EV 335873660 US

Date of Deposit: March 11, 2005

DOCKET NO.: S1459.70066US00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Masashi Enomoto et al.
Serial No.: Not yet assigned
Confirmation No.: Not yet assigned
Filed: Herewith
For: OPTICAL/ELECTRICAL CONVERSION ELEMENT AND
METHOD OF MANUFACTURING THE SAME, AND
PHOTOSENSOR AND SOLAR BATTERY

Examiner: Not yet known
Art Unit: Not yet known

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

STATEMENT FILED PURSUANT TO THE DUTY OF
DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

PART I: Compliance with 37 C.F.R. §1.97

This Information Disclosure Statement has been filed within three months of the filing date of the entry of the National Stage, as set forth in 37 C.F.R. §1.491, in an International application.

No fee or certification is required.

PART II: Information Cited

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

The Applicant hereby makes the following additional information of record in the above-identified application.

The Applicant would like to bring to the Examiner's attention the enclosed search report from a corresponding International or Foreign National Application.

PART III: Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Docket No.: S1459.70066US00

- 3 -

Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted,
Enomoto Masashi et al., Applicants

By:

Randy J. Pritzker
Randy J. Pritzker, Reg. No. 35,986
Wolf, Greenfield & Sacks, P.C.
600 Atlantic Avenue
Boston, Massachusetts 02210-2206
Telephone: (617) 646-8000

Docket No.: S1459.70066US00

FORM PTO-1449/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICATION NO.: Not yet assigned		ATTY. DOCKET NO.: S1459.70066US00	
				FILING DATE: Herewith		CONFIRMATION NO.: Not yet assigned	
				APPLICANT: Masashi Enomoto et al.			
				GROUP ART UNIT: Not yet known		EXAMINER: Not yet known	
Sheet	1	of	1				

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			
	1	Japan	JP2002-237611	A	Hitachi Maxwell, Ltd.	08-23-2002	N
	2	Japan	JP2001-320068	A	Fuji Photo Film Co., Ltd.	11-16-2001	N
	3	Japan	JP11-40871	A	Mitsubishi Chemical Corp.	02-12-1999	N
	4	Japan	JP2000-336171	A	Mitsubishi Chemical Corp.	12-05-2000	N

OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)	
	5	KRASTEVA, Nadejda et al., "Self-Assembled Gold Nanoparticle/Dendrier Composite Films for Vapor Sensing Applications," NANO Letters, Vol. 2, No. 5 (2002), pp. 551-555.	Y	
	6	TASAKI, Takashi et al., "Preparation and photoelectrochemical properties of electrodes modified with alternately assembled porphyrin derivative-gold nano particles," CSJ: The Chemical Society of Japan Koen Yokoshu, Vol. 81, No. 1, p. 389 (20020311).		N
	7	LAHAV, Michal et al., "Assembly of a Zn(II)-Porphyrin-Bipyridinium Dyad and Au-Nanoparticles Superstructures on Conductive Surfaces," J.Am.Chem.Soc., 1999, 121, pp. 258-259.	Y	
	8	YAMADA, Sunao et al., "Gold nanoparticle-porphyrin self-assembled multistructures for photoelectric conversion," Thin Solid Films 438-439 (2003), pp. 70-74.	Y	

EXAMINER:	DATE CONSIDERED:
-----------	------------------

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. __, filed __, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

[NOTE - The Office hereby waives the requirement under 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC 371 after June 30, 2003. See 37 CFR 1.491(b). For all patent applications filed on or before June 30, 2003, copies of cited U.S. patents and patent application publications are still required unless an eIDS is filed. Copies of all other patent(s), publication(s), or other information listed must still be provided, even if it was previously submitted to, or cited by, the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.]